

To: Williams, Mike[Mike.Williams@tetrattech.com]
Cc: Dorsey, Debra[Dorsey.Debra@epa.gov]
From: McCoy, Erin
Sent: Fri 8/12/2016 3:57:41 PM
Subject: RE: Des Moines TCE risk assessment technical memo

Mike, I got comments back on the memo. They are attached below. We can discuss these on Tuesday if you want. Please let me know if you have any questions. Thanks.

1. Recommend that future soil scenarios assume the removal of the pavement and exposure to the soils underneath.
2. Add an adolescent recreational scenario. If the property is redeveloped, use by adolescents is highly likely, so the risk assessment should reflect that that scenario has been evaluated.
3. The plan should include a full-time permanent outdoor worker.
4. The text states that the pond recreation scenario will only be evaluated qualitatively. All pathways in the risk assessment should be evaluated quantitatively.
5. Several of the equations assume a fraction-ingested term (FI). There is no provision in EPA guidance for the use of such a term or practice. It should be removed, and EPA guidance followed. The correct equations can all be found in EPA's RSL User's Guide.
6. The text mentions the inclusion of a CTE. EPA only reviews, evaluates, and accepts the RME scenario. Please revise.
7. A vapor intrusion scenario needs to be included.



Erin McCoy, P.G. | Remedial Project Manager

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From: Williams, Mike [<mailto:Mike.Williams@tetrattech.com>]
Sent: Friday, August 05, 2016 10:24 AM
To: McCoy, Erin <McCoy.Erin@epa.gov>
Subject: Des Moines TCE risk assessment technical memo

Erin –

I had our risk assessor (Dr. David Homer) put together a technical memorandum describing how we would go about performing the human health risk assessment. I've found it helpful in having everyone agree upfront on the approach and assumptions. It saves a lot of rework and ultimately is more cost effective. The technical memorandum is attached for your review and your risk assessor's review. If you have any questions, feel free to contact me.

Have you heard anymore from your lab on the rest of the analytical data?

Best,

-Mike

Mike Williams | Sr. Project Manager/Hydrogeologist

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